

WHAT IS CLAIMED IS:

1. An inkjet head inspecting method comprising:  
filling an inkjet head with inspecting ink;  
measuring a driving waveform the inkjet head

5 shows;

correcting the measured driving waveform based on  
a correlation formula, which is obtained beforehand  
based on image recording ink the inkjet head uses for  
image recording; and

10 setting the inkjet head to have a driving waveform  
based on a result of correction.

2. An inkjet head inspecting method according to  
claim 1, further comprising:

15 applying the measured driving waveform to one of a  
plurality of ranks determined based on a minimum  
resolution unit of the driving waveform; and

performing a printing test based on a driving  
waveform corresponding to a rank to which the measured  
driving waveform is applied,

20 wherein the inspecting ink contains a dyeing  
agent.

3. An inkjet head inspecting method according to  
claim 1, further comprising:

25 applying a driving waveform corrected based on the  
correlation formula to one of a plurality of ranks  
determined based on a minimum resolution unit of the  
driving waveform,

wherein the driving waveform corrected based on the correlation formula is a driving waveform corresponding to a rank to which the measured driving waveform is applied.

5           4. An inkjet head inspecting method according to claim 2, further comprising:

          adding a correction value to the measured waveform, the correction value being obtained based on standard ink serving as a standard of the inspecting  
10       ink.

          5. An inkjet head inspecting method according to claim 4, wherein the standard ink lacks the dyeing agent contained in the inspecting ink.

          6. An inkjet head inspecting method according to  
15       claim 1, wherein the image recording ink is oil ink.

          7. An inkjet head inspecting method according to claim 1, wherein the image recording ink is ultraviolet  
ink.

          8. An inkjet head inspecting method comprising:  
20       filling an inkjet head with inspecting ink;  
          measuring a driving voltage the inkjet head shows;  
          correcting the measured driving voltage based on a correlation formula, which is obtained beforehand based on image recording ink the inkjet head uses for image  
25       recording; and

          setting the inkjet head to have a driving voltage based on a result of correction.

9. An inkjet head inspecting method according to claim 8, further comprising:

performing a printing test based on a driving voltage set for the inkjet head,

5        wherein the inspecting ink contains a dyeing agent.

10. An inkjet head inspecting method according to claim 9, further comprising:

adding a correction value to the measured voltage,  
10        the correction value being obtained based on standard ink serving as a standard of the inspecting ink.

11. An inkjet head inspecting method according to claim 10, wherein the standard ink lacks the dyeing agent contained in the inspecting ink.

15        12. An inkjet head inspecting method according to claim 8, wherein the image recording ink is oil ink.

~~13. An inkjet head inspecting method according to~~  
claim 8, wherein the image recording ink is ultraviolet ink.

20        14. An inkjet head comprising:

a storage section which stores driving waveform information, the driving waveform information being obtained by (i) measuring a driving waveform which the inkjet head filled with inspecting ink shows, (ii)  
25        correcting the measured waveform based on a correlation formula obtained beforehand based on image recording ink the inkjet head uses for image recording, and (iii)

setting the inkjet head to have a corrected driving waveform based on a result of correction.

15           15. An inkjet head according to claim 14, wherein  
the storage section further stores driving voltage  
5   information, the driving voltage information being  
obtained by (i) measuring a driving voltage which the  
inkjet head filled with inspecting ink shows, (ii)  
correcting the measured voltage based on a correlation  
formula obtained beforehand based on image recording  
10   ink the inkjet head uses for image recording, and (iii)  
setting the inkjet head to have a corrected driving  
voltage based on a result of correction.

15           16. An inkjet head according to claim 14, wherein  
the storage section further stores driving waveform  
information obtained by measuring the inkjet head  
filled with the inspecting ink.

17. An inkjet head according to claim 15, wherein  
the storage section further stores at least one of  
driving waveform information and driving voltage  
20   information, which are obtained by measuring the inkjet  
head filled with the inspecting ink.